

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRS-0535 (6) Ben Hill County **OFFICE** Preconstruction
P.I. No. 422590 **DATE** July 1, 1994

FROM *CWH/Hutto*
C. Wayne Hutto, Assistant Director of Preconstruction

TO SEE DISTRIBUTION

SUBJECT PROJECT CONCEPT REPORT APPROVAL

Attached for your files is the approval for subject project.

CWH/cj

Attachment

DISTRIBUTION:

John Lively
Bobby Mustin
David Studstill
Herman Griffin
Toni Dunagan
Darrell Elwell
Marion Waters
Jim Kennerly
Paul Liles
Shell Hartley

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRS-0535(6) Ben Hill County **OFFICE** Preconstruction
P.I. No. 422590 **DATE** June 7, 1994

FROM Hoyt J. Lively, Jr., P.E., Director of Preconstruction

TO Wayne Shackelford, Commissioner

SUBJECT PROJECT CONCEPT REPORT

This project is the replacement of a bridge and approaches on SR 90 over Alapaha River Overflow just east of Rebecca, Georgia. The existing bridge is 60' x 24' with timber pilings, concrete caps, concrete slab deck and steel handrails with a sufficiency rating of 45.7. The existing approaches consist of 22' pavement with 5' rural shoulders. The base year traffic (1998) is 950 VPD and the design year traffic (2018) is 1500 VPD. Posted speed is 55 MPH and the design speed is 55 MPH.

The proposed replacement structure is a 60' x 38' concrete bridge. The approaches will be 24' wide with 8' rural shoulders. A 600' x 60' construction easement on the downstream side of the existing bridge is required to provide for an on-site runaround.

Environmental concerns include requiring a Nationwide 404 permit; a CE will be prepared; a public hearing is not required; time saving procedures are appropriate.

Two gopher tortoise burrows are located between the end of the bridge and CR 248. However, both burrows appear to be outside of the construction limits. A survey of this project in 1993 indicated that the gopher tortoise burrows were inactive.

Estimated cost for this project are:

	<u>PROPOSED</u>	<u>APPROVED</u>	<u>PROG. DATE</u>
Constr(Infl&E/C)	\$299,000	\$170,000	1996
Rights-of-way	\$1,000	\$1,000	96-01
Utilities*	---	---	

*Ben Hill County refused to commit funds 10-5-93.

Wayne Shackelford
Page 2
June 7, 1994

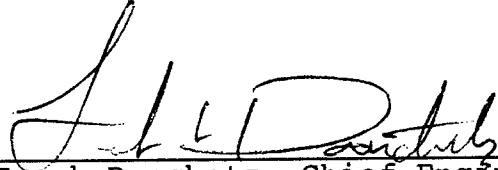
BRS-0535(6) Ben Hill County

This project is in the STIP. I recommend this project concept be approved.

HJL/JDQ/se

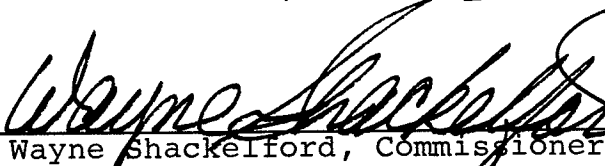
Attachment

CONCUR:



Frank Danchetz, Chief Engineer

APPROVED:



Wayne Shackelford, Commissioner

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRS-0535(6) Ben Hill OFFICE Atlanta, Georgia
 P.I. No. 442590
 Bridge & Approaches DATE March 17, 1994

FROM Bob Mustin, P.E., Project Review Engineer *ATM*

TO Hoyt J. Lively, Jr., P.E., Director of Preconstruction

SUBJECT PROJECT CONCEPT REPORT

We have reviewed the attached Concept Report for this project.

We have received signed cover sheets from the following offices:

Road Design

This report is satisfactory for approval.

The estimated costs of this project are as follows:

Construction	\$237,000
Inflation (5% per year)	\$ 24,000
E & C (10%)	\$ 26,000
Preliminary Engineering (5%)	\$ 12,000
Right of Way	\$ 1,000
Reimbursable Utilities	\$ 0

DTM:kmc

Attachments

c: Shell Hartley

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRS-0535 (6) Ben Hill County
P.I.NO. 442590
Brdg & App. @ Alapaha Rvr Ovflw
OFFICE Environment/Location
DATE March 31, 1994

FROM David E. Studstill, P.E., State Environmental/Location Engineer

TO Bobby Mustin, Project Review Engineer

SUBJECT CONCEPT REPORT

The concept report for the above listed project has been reviewed. A Level II field survey is necessary to determine eligibility of archaeology. A survey of BRS-0535(5) in 1993 indicates that inactive gopher tortoise burrows are present in the area.

If you have any questions, please let me know.

DES/JSS/jaf

cc: Joe W. Sheffield

RECEIVED

MAR 31 1994

PRECONSTRUCTION

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRS-0535 (6) Ben Hill County
P.I. No. 442590

OFFICE Tifton, GA

DATE March 4, 1994

FROM Joe W. Sheffield, P.E., District Design Engineer *Joe W. Sheffield*
TO Bobby Mustin, Project Review Engineer - Engineering Services
Atlanta, GA

SUBJECT CONCEPT REPORT

Attached is the Concept Report on the above mentioned project for your further handling.

JWS:bc

Attachments

cc: C. Wayne Hutto, Assistant Director of Pre-Construction
David Studstill, State Environmental/Location Engineer
Marion Waters, State Traffic Operations Engineer
Paul Liles, State Bridge and Structural Design Engineer
James A. Kennerly, State Road & Airport Design Engineer
Freddie Walker, District Planning & Scheduling Engineer

D.O.T. 66

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

INTERDEPARTMENT CORRESPONDENCE

FILE BRS-0535(6) Ben Hill County OFFICE Atlanta, GA.
P.I. No. 442590 DATE March 9, 1994

FROM *James A. Kennerly*
James A. Kennerly, State Road & Airport Design Engineer

TO Bobby Mustin, Project Review Engineer

SUBJECT CONCEPT REPORT

The Concept Report for this project has been reviewed and is considered satisfactory except as noted below:

Typical Section:

A 24 ft. roadway with 8 ft. shoulders left and right is required for this class road. A 20 to 24 ft. clear zone is required from the edge of paving.

A signed Concept Report cover sheet is attached for your use.

JAK:PDP:pef

xc: Shell Hartley/Joe Sheffield
C. Wayne Hutto
David Studstill
Marion Waters
Paul Liles

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

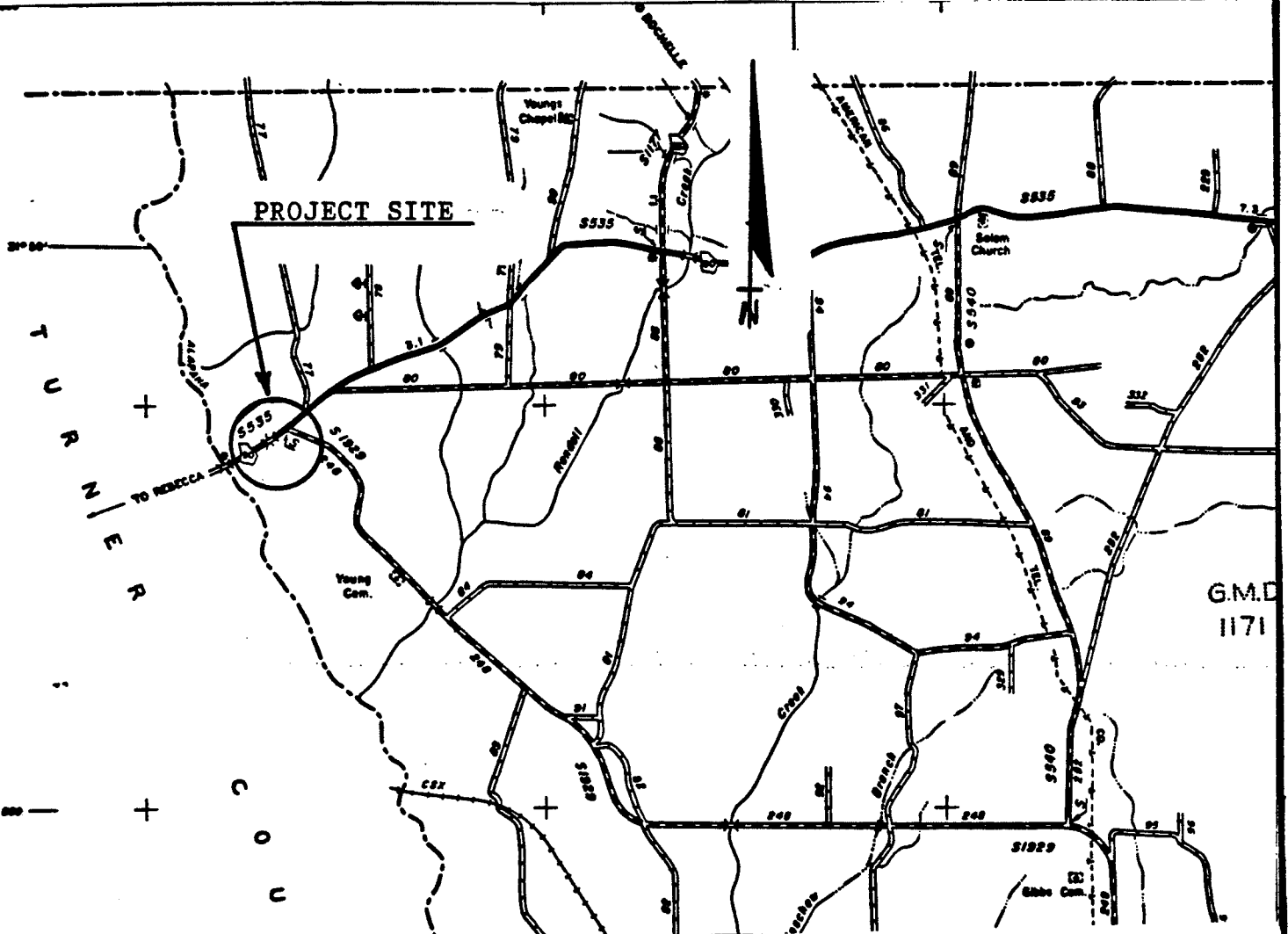
BRS-0535 (6) BEN HILL COUNTY

BRIDGE AND APPROACHES OVER ALAPAHA RIVER OVERFLOW

Federal Route No: S 535

State Route No: 90

GaDOT P. I. No: 442590



Date of Report: 03-03-94

RECOMMENDATION FOR APPROVAL

3-4-CN
Date

[Signature]
Project Manager (District Engineer or Office Head)

Date

State Environmental Engineer

Date

State Engineer

D.O.T.66

RECEIVED

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

MAR 21 1994
PRECONSTRUCTION

INTERDEPARTMENT CORRESPONDENCE

FILE BRS-0535(6) Ben Hill County
P.I. No. 442590

OFFICE Traffic Operations
Atlanta, Georgia
DATE March 21, 1994

FROM *MGW* Marion G. Waters, III, P.E., State Traffic Operations Engineer

TO Bob Mustin, P.E., Project Review Engineer

SUBJECT Project Concept Report Review

We have reviewed the concept report on the above project for the replacement of a structurally and functionally deficient bridge on SR 90 over Alapaha River Overflow. The replacement structure is proposed to be a 60' x 38' concrete bridge structure on existing alignment. An on-site runaround will be provided on the left (downstream) side of the existing structure. The projected traffic (2018) is 1500 vpd.

A minimum clear zone of 24' should be provided by the typical section.

We believe this concept will improve safety and operational capacity along this section of roadway. Subject to the above comment, we find this report satisfactory for approval.

MGW:TOC:dc

Attachment (signature page)

cc: David Studstill
Shell Hartley (Attn: Joe Sheffield)
Wayne Hutto, w/attachment
General Files

BRS-0535 (6) BEN HILL COUNTY

Federal Route No: S 535
State Route No: 90
GaDOT P. I. No: 442590



3-4-CN

James Watson

Project Manager(District Engineer or Office Head)

State Environmental Engineer

3-21-94

M. G. Waters, III son

Date

State Traffic Operations Engineer

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

PROJECT CONCEPT REPORT

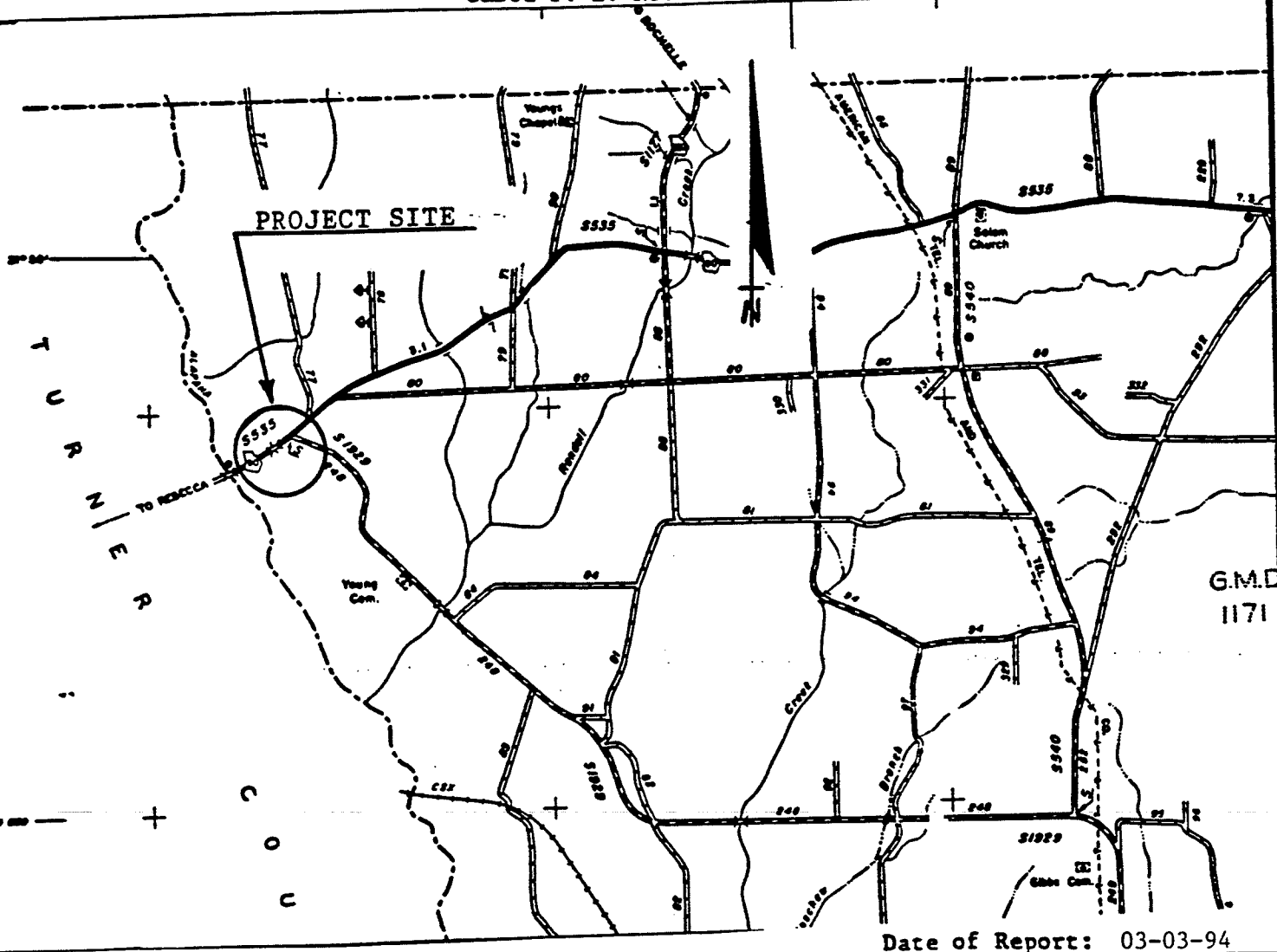
BRS-0535 (6) BEN HILL COUNTY

BRIDGE AND APPROACHES OVER ALAPAHA RIVER OVERFLOW

Federal Route No: S 535

State Route No: 90

GaDOT P. I. No: 442590



Date of Report: 03-03-94

RECOMMENDATION FOR APPROVAL

3-4-CN

Date

James B. Kennedy
Project Manager (District Engineer or Office Head)

Date

3-10-94

Date

State Environmental Engineer
James B. Kennedy
State ROAD DESIGN Engineer

PROJECT CONCEPT REPORT

DATE: March 3, 1994

PROJECT NUMBER: BRS-0535 (6) COUNTY: Ben Hill

PROJECT NAME: Bridge replacement over Alapaha River Overflow LENGTH: 0.17 Mi.

P.I. NUMBER: 442590 U.S. ROUTE NO: S 535 STATE ROUTE NO: 90

LOCATION

Bridge and approaches on S.R. 90 over Alapaha River Overflow just east of
Rebecca, Georgia.

TRAFFIC

YEAR	PROJECTED AADT	YEAR	PROJECTED AADT
1998	950	2018	1500

PDP CLASSIFICATION	NON-CA	CA	EXEMPT	FUNCTIONAL CLASSIFICATION
Minor existing	()	()	(X)	FAS Major Collector (Rural)

EXISTING TYPICAL SECTION

22 ft. asphaltic concrete paving with 5 ft. grassed shoulders.
100 ft. (50 ft. lt. and 50 ft. rt.) of existing right-of-way.

POSTED SPEED	MAX EXIST DEGREE OF CURVE	MAX EXIST GRADE
<u>55</u> MPH	<u>0°</u>	<u>0</u> %

EXISTING MAJOR STRUCTURES

RANK	N.RTG	S.RTG	FEATURES INTERSECTED	LENGTH	WIDTH
1740	Unknown	45.7	Alapaha River Overflow	60 ft.	24 ft.

Bridge structure has timber pilings, concrete caps, concrete slab deck,
and steel handrail.

PROJECT NEED: To replace this structurally and functionally deficient bridge in this section of roadway. Replacement of this bridge would help to improve safety along this route.

PROPOSED TYPICAL SECTION

24 ft. asphaltic concrete paving with 8 ft. grassed shoulders.

DESIGN SPEED

MAX DEGREE OF CURVE

MAX GRADE

ALLOWABLE: 6°00'

ALLOWABLE: 6 ^{4 1/2%} %

55 mph

PROPOSED: 0°00'

PROPOSED: 0.0 %

MAJOR STRUCTURES

Proposed 60' x 38' concrete bridge structure over Alapaha River Overflow on existing alignment. A 600' x 60' construction easement on the left (downstream) side of existing bridge is required.

TYPE ACCESS: By permit.

TRAFFIC CONTROL DURING CONSTRUCTION: An on-site runaround will be provided on the left (downstream) side of the existing bridge structure.

DESIGN VARIATIONS REQUIRED:

	YES	NO	UNDETERMINED
SUBST HORIZ ALIGNMENT	()	(X)	()
SUBST ROADWAY WIDTH	()	(X)	()
SUBST SHOULDER WIDTH	()	(X)	()
SUBST VERT GRADES	()	(X)	()
SUBST CROSS SLOPES	()	(X)	()
SUBST STOPPING SIGHT DIST	()	(X)	()
SUBST SUPERELEV RATES	()	(X)	()
SUBST HORIZ CLEARANCE	()	(X)	()
SUBST SPEED DESIGN	()	(X)	()
SUBST VERT CLEARANCE	()	(X)	()
SUBST BRIDGE WIDTH	()	(X)	()
SUBST BR STRUCT CAPACITY	()	(X)	()

DISPLACEMENTS: None.

LEVEL OF ENVIRONMENTAL ANALYSIS: Categorical exclusion.

LEVEL OF PUBLIC INVOLVEMENT: None.

TIME SAVING PROCEDURES APPROPRIATE: X YES NO

OTHER PROJECTS IN AREA: BRS-0535 (5) Ben Hill-Turner; P.I. No. 431040.

CONCEPT TEAM MEETING DATE: January 11, 1994

LOCATION INSPECTION DATE: N/R

PERMITS REQUIRED (4f, COE 404, etc.): Nationwide 404 Permit.

UNDERGROUND STORAGE TANKS: None.

HAZARDOUS WASTE SITES: None.

OTHER ALTERNATES CONSIDERED: 1. Build

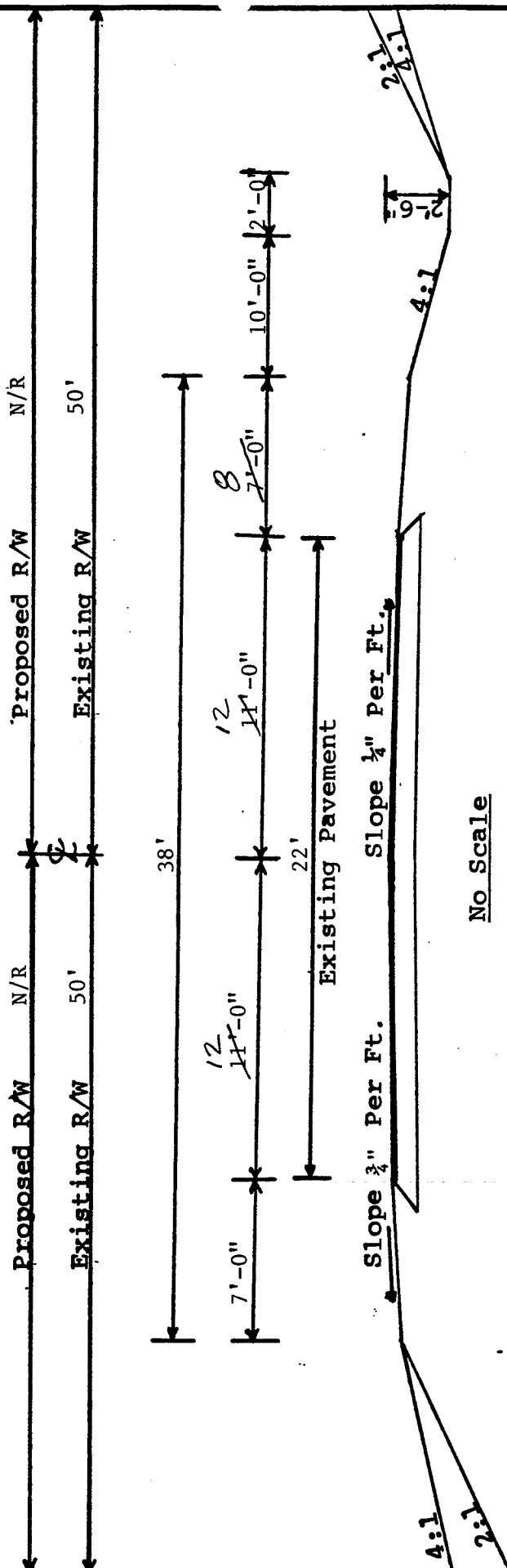
2. No Build

COMMENTS: The drainage area was obtained from old bridge plans and the preliminary estimate indicates that a bridge structure is necessary to handle the drainage at this site. As indicated, this estimate is preliminary and is subject to change when the hydraulic study is complete. Two gopher tortoise burrows are located between the end of the bridge and C.R. 248. One burrow is located on the north side of the roadway approximately 239 feet from the end of the bridge. The other burrow is located on the south side approximately 268 feet from the end of the bridge. Both burrows are located near the existing right-of-way line. Both burrows appear to be outside of construction limits.

ATTACHMENTS: Typical Section
Local Government Project Agreement (Unsigned)
Program Authorization Document
Cost Estimate

County: BEN HILL

TYPICAL SECTION



Required 22'-0" x 4" asphaltic concrete base, 2" asphaltic concrete "B", and resurfaced with 1½" asphaltic concrete "E".



Department of Transportation
State of Georgia
#2 Capitol Square, S.W.
Atlanta, Georgia 30334-1002

WAYNE SHACKELFORD
COMMISSIONER

G. CHARLES LEWIS
STATE HIGHWAY ENGINEER

CRAIG C. BRACK
DEPUTY COMMISSIONER

ARTHUR A. VAUGHN
TREASURER

September 30, 1993

LOCAL GOVERNMENT PROJECT AGREEMENT

In consideration of the proposed improvements, the County of BEN HILL agrees to provide or perform the following at no cost to the Georgia D.O.T. for project BRS-535(6), PI #442590, BEN HILL County:

BRIDGE REPLACEMENT - SR 90
SR 90 OVER ALAPAHA RIVER OVERFLOW

☐ Provide all rights-of-way and/or easements needed for the construction of project and remove existing structures or obstructions within the rights-of-way.

☒ Make all utility relocations, adjustments or betterments of publicly owned utilities that are in conflict with construction of this project. Reimburse Georgia D.O.T. for any damages paid to the contractor for delay of construction caused by a delay in relocating the publicly owned utilities.

☒ Relocate or adjust all privately owned utilities to clear construction of this project, including adjustments at railroad crossings if required.

☐ Furnish detours, local borrow & waste pits as needed.

☐ We support this project but choose not to commit any funding, realizing this may delay the project until additional funding can be found.

This _____ day of _____, 19____

APPROVED _____
City/County Official



0 M 18 September 1993

PROJECT ADDITIONS

to the

CONSTRUCTION WORK PROGRAM

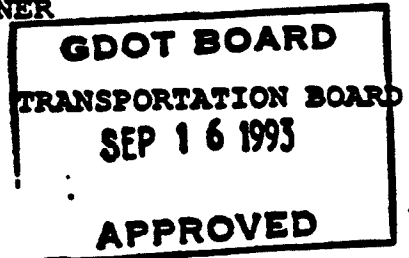
In accordance with the Board Resolution dated August 16, 1973, approval is requested to revise the Construction Work Program to add the projects listed below. The Tier I Federal-Aid projects are consistent with the 1994 State Transportation Improvements Program.

COUNTY	PROJECT/TYPE WORK	PROGRAM DATE	COSTS IN THOUSANDS	
TROUP	EDS-27(114)	1995	ROW:	\$850
362910	ROADWAY PROJECT	1996	CST:	\$16,193
CONG DIST: 7	I-185 CONN FM I-185 @ I-85 TO SR 1/US 27 N OF CR 673			
TROUP	EDS-27(122)	1995	ROW:	\$1,000
362920	WIDENING	1996	CST:	\$11,000
CONG DIST: 7	US 27 FM NEAR CR 673 N TO HEARD CO LINE/INCL BRIDGES			
TROUP	NH-IM-85-1(160)	NONE	ROW:	\$0
310730	INTERCHANGE	1997	CST:	\$4,886
CONG DIST: 7	I-185 CONN @ I-85 & I-185; INTERCHANGE CONSTRUCTION			
TROUP	STP-005-1(22)	1997	ROW:	\$400
322230	PASSING LANES	1999	CST:	\$1,715
CONG DIST: 7	SR 14 N&SB FM MP 3.87-5.37; NB MP 7.07-8.41			
TROUP	STP-2900(3)	1994	ROW:	\$400
350920	BRIDGES	1996	CST:	\$2,000
CONG DIST: 7	SR 109 @ CSX RR WEST OF SR 14 INTERSECTION			
APPLING	GIP-341(40)	1996	ROW:	\$455
522590	WIDENING	1998	CST:	\$5,550
CONG DIST: 8	SR 27/US 341 FM 4-LN IN BAXLEY TO W CL OF SURRENCY			
BEN HILL	BRMLB-2210(1)	LOCL	ROW:	\$0
450420	BRIDGES	1996	CST:	\$180
CONG DIST: 8	EVERGREEN CEMETERY ROAD OVER TURKEY CREEK IN FITZGERALD			
BEN HILL	BRS-2943(3)	1996	ROW:	\$1
442580	BRIDGES	1997	CST:	\$611
CONG DIST: 8	SR 107/US 319 OVER STURGEON CREEK NEAR CR 5			
BEN HILL	BRS-535(6)	1995	ROW:	\$1
442590	BRIDGES	1996	CST:	\$170
CONG DIST: 8	SR 90 OVER ALAPAH RIVER OVERFLOW			

RECOMMENDED: W. G. Bond DIRECTOR, PLANNING & PROGRAMMING

RECOMMENDED: W. G. Bond COMMISSIONER

APPROVED: W. G. Bond CHAIRMAN,



PRELIMINARY COST ESTIMATE

December 20, 1993

PROJECT NO. BRS 535 (6)

BEN HILL COUNTY

P.I. No. 442590

PROJECT DESCRIPTION -- Bridge and Approaches on S.R. 90 over Alapaha River Overflow.

PROPOSED CONCEPT -- 60 Ft. X 38 Ft. Bridge -- 22 Ft. paving with 7 Ft. Graded Shoulders.

EXISTING ROADWAY (IF APPLICABLE) -- 60 Ft. X 24 Ft. Bridge -- 22 Ft. paving with 5 Ft. Graded Shoulders.

TRAFFIC: EXISTING 950 (1998) DESIGN 1500 (2018)

() PROGRAMING PROCESS (X) CONCEPT DEVELOPMENT () DURING PROJECT DEVELOPMENT

PROJECT COSTS

A. RIGHT OF WAY

1. PROPERTY (Land and Easements)	1,000.00
SUBTOTAL	1,000.00

B. REIMBURSABLE UTILITIES

SUBTOTAL	0.00
----------	------

C. MAJOR STRUCTURES

1. BRIDGE STREAM CROSSINGS 60 FT. X 38 FT.	94,050.00
SUBTOTAL	94,050.00

will likely be longer

D. GRADING AND DRAINAGE

1. EARTHWORK	28,500.00
3,000 CU. YDS. UNCL. EXCAVATION @ \$2.50	
6,000 CU. YDS. BORROW @ \$3.50	
SUBTOTAL	28,500.00

E. BASE AND PAVING

1. ASPHALT PAVING	25,920.37
203.52 TOTAL TONS ASPHALT CONCRETE - E @ \$45.00	
39.62 TOTAL TONS ASPHALT CONCRETE - B @ \$45.00	
138.65 TOTAL TONS ASPHALT CONCRETE BASE @ \$45.00	
--- ON SITE DETOUR ---	
132.00 TONS ASPHALT CONCRETE - E @ \$45.00	
1,600.00 SQ. YDS. TOPSOIL SD/CL BASE CRS @ \$ 1.75	
2. OTHER	
APPROACH SLABS 270 SQ. YDS. @ \$72.00	19,440.00
SUBTOTAL	45,360.37

F. LUMP ITEMS

1. TRAFFIC CONTROL	20,000.00
2. CLEARING AND GRUBBING	5,304.41
PER ACRE - 1 ACS. @ \$1000.00	
LUMP SUM - 2.870 ACS. @ \$1500.00	
3. EROSION CONTROL	3,943.55
GRASSING COMPLETE - 2.321 ACS. @ \$635.00	
SILT FENCE - 400 LIN. FT. @ \$1.75	
BALED STRAW - 600 LIN. FT. @ \$2.35	
TEMPORARY MULCH STAB. - 3000 SQ. YDS. @ \$.05	
TEMPORARY GRASSING STAB. - 3000 SQ. YDS. @ \$.07	
4. BRIDGES	28,640.00
REMOVAL OF EXISTING BRIDGES - \$ 8,640.00	
CONSTRUCT, MAINT., & REMOVE DETOUR DRAINAGE STRUCTURE - \$ 20,000.00	
SUBTOTAL	57,887.96

G. MISCELLANEOUS

1. GUARDRAIL	10,960.00
TYPE 9 ANCHORAGE - 2 EACH @ \$750.00	
TYPE 1 ANCHORAGE - 2 EACH @ \$330.00	
BEAM TYPE GUARDRAIL - 800 LIN. FT. @ \$11.00	
SUBTOTAL	10,960.00

ESTIMATE SUMMARY

A. RIGHT OF WAY	1,000.00
B. REIMBURSABLE UTILITIES	0.00

CONSTRUCTION COST SUMMARY

C. MAJOR STRUCTURES	94,050.00
D. GRADING AND DRAINAGE	28,500.00
E. BASE AND PAVING	45,360.37
F. LUMP ITEMS	57,887.96
G. MISCELLANEOUS	10,960.00
H. SPECIAL FEATURES	0.00
SUBTOTAL CONSTRUCTION COST	236,758.30
E. & C. (10 PERCENT)	23,675.83
INFLATION (5 PER CENT PER YEAR) - 2	26,043.42
TOTAL CONSTRUCTION COST	286,477.60
GRAND TOTAL PROJECT COST	287,477.60